SONY

XBR-65X850A

Sony® 65” class (64.5” diag) 4K Ultra HD TV

Enhance the quality of everything you watch with a picture that’s four times clearer than regular HD[1], plus more depth and shades of color than you’ve ever seen on a TV before. Add in Wi-Fi® connectivity and it’s the highest resolution, most immersive experience we’ve ever created. See the world in 4K Ultra HD and never look back.

Bullets

- 4K Ultra HD – four times the clarity of Full HD 1080p[1]
- Everything you watch is enhanced for 4K Ultra HD viewing[1, 2]
- More brilliant color than ever with TRILUMINOS display
- New HDMI 2.0 supported for next 4K video formats[12]
- Feature films in true 4K resolution only from Sony[8]
- Built-in Wi-Fi®[4]
- Dynamic Edge LED backlight for amazing contrast
- Experience precise motion clarity w/ Motionflow™ XR 960
- Your smartphone screen on TV w/ NFC screen mirroring[3]
- RS-232 and IR in for custom control installs
- Four pairs of active 3D glasses to enjoy 3D in Full HD[5]
- SimulView™ technology presents twice the fun: 2-player games with no split screen.[6]
- TV SideView™ app to control your TV and channel guide[7]
- See more details in your DSLR photos (8MP+) with 4K resolution[1]

Features

Four times clearer than HD

That’s right—four times clearer than Full HD 1080p[1]. Get acquainted with the highest resolution picture Sony has ever produced on a TV. With four times more resolution than Full HD, the 4K Ultra HD screen contains over 8 million individual pixels (3,840 x 2,160). Advanced picture processing ensures that every one of those pixels displays images with superb brightness and authentic detail.

HD enhanced to 4K Ultra HD quality

Suddenly, everything looks better. All of your existing HD sports, TV shows and movies are up-scaled to super clear 4K quality. The new 4K X-Reality™ PRO chip enhances HD (or lower resolution) images by analyzing and refining images with beautifully natural detail and astounding color. The latest Reality Creation database and Super Resolution processing breathes new life into everything you see with phenomenal 4K (3,840 x 2,160) resolution[2].

See colors never seen on a TV before

Spoil yourself with the widest color spectrum we’ve ever offered on a television. Unique to Sony, TRILUMINOS Display technology creates incredibly true, natural shades of colors—just the way you want them. Hard-to-reproduce reds, aqua blues and emerald greens are displayed beautifully, so landscapes and seascapes look more vivid. Faces look better, too, with natural skin tones. It’s all thanks to a new TRILUMINOS display that gives images a heightened sense of depth.

4K Ultra HD now and in the future.

Sony 4K Ultra HD TV owners are the first in the world to be able to enjoy hit Hollywood movies in 4K Ultra HD, using the Sony 4K Ultra HD Media Player (sold separately). Sony 4K TVs are also ready to support the next 4K video formats, such as 60p 4K sports video, that will become possible using the new HDMI® 2.0 specification. A convenient and free Internet firmware update will be available late 2013.[12]

Movies in 4K Ultra HD

SONY

Introducing the world's first in-home media player to bring you 4K Hollywood hit movies (sold separately). Four times clearer than HD, Sony's Video Unlimited 4K service allows you to rent or purchase feature films, TV shows, documentaries and more[8]. The 4K Ultra HD Media Player comes preloaded with 10 bonus feature films plus a collection of other free video shorts.

The difference is dynamic.

It's all about perfecting a natural look. Dynamic Edge LED backlighting with local dimming delivers pitch-black night scenes and illuminates bright scenes. Rather than illuminating the entire screen, contrast is boosted in just the right areas for a more realistic picture.

Lifelike motion.

Watch the sprinter break off the blocks and race smoothly as the camera follows him from left to right. Even quick motion seen in action movies appears amazingly realistic as Motionflow™ XR 960 technology, which takes motion clarity beyond refresh rates, smoothes out the picture where the camera can't for clearer and more natural movement.

Your smartphone, now on TV

Movies, music and apps from your smartphone can now be viewed big on your TV. With three ways to connect Android™ phones and tablets to the X850, Sony is helping you add value to the entertainment you already own.

1. Using a Mobile High Definition Link cable, you can connect your smartphone to the TV to literally "mirror" what's seen on the smartphone screen. Video, photos and apps are re-sized and scaled to fit the larger TV screen. You can then use the TV remote to navigate the phone, while it's charging from the TV[10].
2. Using screen mirroring technology, you can connect phones that are Miracast™ enabled to the TV[11].
3. Using One-Touch Mirroring with NFC technology, briefly place your compatible Xperia™ smartphone to the one-touch remote. You'll instantly be able to view exactly what is on your smartphone's screen on the TV[3]

Go way beyond cable with built-in Wi-Fi®

Wirelessly stream beautiful, HD entertainment straight from the internet or your home network using built-in Wi-Fi® connectivity and open the door to the endless entertainment of the Sony Entertainment Network, where thousands of movies, TV shows, online videos, games and music are always at your fingertips. By connecting to the Internet you can access Full HD 1080p entertainment, 3D content and made-for-TV apps like Netflix®, Pandora®, YouTube™, Facebook® and more.[5]

Custom control installations.

RS-232C and IR-in for custom control installations.

3D immersion

There's 3D, then there's 3D with 4K (3,840 x 2,160). Life-like 3D images emerge from the 4K screen screen with realism that makes your heart race. The level of detail is absolutely stunning—it's the closest thing to a 3D theater in your living room. Just slide on the comfortable 3D active glasses and enter a whole new dimension.[5] Four pairs included.

Twice the fun: 2-player games with no split screen

Say goodbye to split screen. Now you and a friend can both experience your own big-screen view of the action as you play nail-biting games on your PlayStation®3 system. SimulView™ gaming presents two separate full screen pictures: each player watches independently through Simulview™ mode on the included 3D active glasses.[6] There's already a growing choice of SimulView™ game titles available.

Control your TV with your smartphone or tablet

Get more from watching television with TV SideView™. Control the TV or browse the channel guide with your smartphone, Xperia™ Tablet or other tablet device (Android™ or iOS), all without interfering with what you're watching on the TV. Learn more about the show you're watching right now, like cast and episode details. Search what's available to watch on TV, internet videos and apps like Netflix®. Once you find what you want to watch, you can select to view it on the TV. Make TV viewing more social by Tweeting about the show from your mobile device.[7]

Photos are better with 4K.

See more details in your DSLR photos (8MP+) with 4K resolution (3,840 x 2,160). View, share and edit photo memories with PlayMemories Studio™ software and your PlayStation®3 system on the TV screen. Scroll effortlessly through your image collection. Pinpoint images by date and time, smiles or location. Everything's smooth and speedy, thanks to the immense processing power of the PlayStation®3 system.[9]

Life-sized video calls.

It's like they're in the room with you. Skype® video calls bring your family and friends closer than ever as they appear as large as life on your big screen.[4] Just connect the easy-to-use Skype camera (sold separately) for a face-to-face look at the caller on the beauty of your Sony HDTV.

SONY

Onboard manual.

You will never lose your TV manual again. The iManual is available through the menu system on the TV – always there if you need it.

Specifications

3D Features	
3D	Active
3D Format Support	Yes (2K-only)
3D Super-resolution	Yes
3D Sync Transmitter Integrated	Yes
Auto 3D Depth Adjustment	Yes
Simulated 3D	Yes (2K-only)

Audio	
Audio Power Output	10W+10W+10W
Speaker Configuration	2.1ch, Tweeter(20x40mm)x2, Woofer(57mm)x2, Assist Woofer(60mm)
Speaker Position	Down Firing

Audio Features	
5.1 Channel Audio Out	Yes
5.1ch Through Out (Handycam)	Yes
Advanced Auto Volume	Yes
Alternate Audio (Digital)	Yes
Audio Out	Fixed/Variable
Auto Mute (on no signal)	Yes
Bass Ref Box Speaker	Yes
Clear Phase Speaker	Yes
Dolby®	Dolby Digital, Dolby Digital Plus, Dolby Pulse
Headphone/Speaker Link	Yes
Invisible Speaker	Yes
Signal-to-Sound Architecture	Yes
Simulated Stereo	Yes
S-Master	Yes
Sony Original Surround	S-Force Front Surround
Sound Booster	Yes
Sound Enhancer	Yes
Sound Mode	Standard Cinema Sports Music Game Compressed Audio
Stereo System	MTS(AUTO SAP)

Convenience Features	
Auto Photo Mode	Yes
Auto Shut-off	Yes
BRAVIA® Sync™	Yes
Channel Block (with password)	Analog & Digital
Channel Jump	Yes
Channel Surf	Yes
Edit Channel Labels	Yes
Info Banner	Yes
Input Skip	Auto
Label Inputs	Yes
Multiple Language Display	English/ Spanish/ French
On/Off Timer	Yes
On-Screen Clock	Yes
On-Screen Display for External Input	Yes
Panorama	Yes (2K only)
Parental Control	Yes
Picture Adjustments Lock	Yes
Picture Frame Mode	Yes
Scene Select	Photo Music Cinema Game Graphics Sports Animation
Show/Hide Channels	Yes
Skin Naturalizer	Yes (2K only)
Twin Picture	PAP (Variable)
USB Play	Yes (USB viewer supports FAT16, FAT32, exFAT and NTFS file systems.)
USB Play (Contents)	MPEG1/ MPEG2PS/ MPEG2TS/ AVCHD/ MP4Part10/ MP4Part2/ AVI(XVID)/ AVI(MotinJpeg)/ MOV/ WMV/ MKV/ WEBM/ 3GPP/ MP3/ WMA/ WAV/ JPEG/ MPO/ RAW(ARW)
USB Super Multi-Format Play	Yes

Customizing Capability	
RS-232C Control	Yes for SonySTD
Illumination LED	Yes
Sense of QUARTZ	Yes

Design Features	
Stand Design	Circle / Chrome Plating

Display Features	
Backlight Type	LED
Deep Black Panel	Yes
Dimming Type	Local Dimming
Display Device	LCD
Triluminos Display	Yes

Display	
Aspect Ratio	16:9
Display Resolution	4K (3840x2160)
Dynamic Contrast Ratio	over 1 million
Screen Size (cm)	163.9cm
Screen Size (measured diagonally)	65"(64.5")
Viewing Angle (Right/ Left)	178(89/89)
Viewing Angle (Up/ Down)	178(89/89)

Energy Saving & Efficiency	
Dynamic Backlight Control	Yes
Power Saving Modes	Yes

General Features	
Audio Return Channel	Yes
Closed Captions (CC)	Analog Digital
Demo Mode	Yes
Finish (Surface Color)	Black
HDMI™ InstaPort	Yes
Hotel Mode Menu	Yes
Start Up Sony Logo Display	Yes

Inputs and Outputs	
AC Power Input	1 (Rear)
Analog Audio Input(s) (Total)	2 (Rear)
Audio Out	1 (Side/Hybrid w/HP)
Component Video (Y/ Pb/Pr) Input(s)	1 (Rear/Hybrid)
Composite Video Input(s)	2 (1 Rear/ 1 Rear Hybrid w/Component)
Digital Audio Output(s)	1 (Rear)
Ethernet Connection(s)	1 (Vertical)
HDMI™ Connection(s) (Total)	4

SONY

HDMI™ PC Input	Yes
Headphone Output(s)	1 (Side/ Hybrid w/Audio Out)
MHL	Yes
RF Connection Input(s)	1 (Bottom)
RS-232C Input(s)	1 (Side / Stereo Mini Jack)
USB 2.0	3port

Network Features

BIVL (System)	Yes
DLNA Content	MPEG1/ MPEG2PS/ MPEG2TS/ AVCHD/ MP4Part10/ MP4Part2/ AVI(XVID)/ AVI(MotinJpeg)/ MOV/ WMV/ MKV/ WEBM/ 3GPP/ MP3/ WMA/ LPCM/ JPEG/ MPO
Fast Zapping	Yes
Google TV Sync	YES(US/CA/MX)
Internet Browser	Yes (Opera)
One-touch mirroring	Yes
Opera Apps (System)	Yes
Related Search	Yes
Seamless Streaming	Yes
Search	Yes
Skype™	Ready
Sony Entertainment Network	Yes
TV SideView™	Yes
TV Tweet	Yes
Wi-Fi Certified	Yes
Wi-Fi Direct	Yes
Wi-Fi Frequency	2.4GHz
Wi-Fi Standard	b/g/n
Wireless LAN	Integrated
X2 Widget (System)	Yes

Power

Power Consumption (in Operation) max.	338W
Power Consumption (in Standby)	0.20W
Power Requirements (frequency)	60Hz for UL cUL 50/60Hz for other
Power Requirements (voltage)	AC 120V for UL cUL AC 110-240V for other

Regulation and Standards Compliance

VESA® Hole Pitch	400x300 mm / 15 3/4 x 11 7/8 inch
VESA® Hole Spacing Compatible	Yes

Sensing Features

LightSensor™ Technology	Yes

Service and Warranty Information

Limited Warranty Term	18 months

TV System

Channel Coverage (Analog)	VHF: 2-13/UHF: 14-69/ CATV: 1-135
Channel Coverage (Digital Cable)	CATV: 1-135
Channel Coverage (Digital Terrestrial)	VHF: 2-13/UHF: 14-69
Color System	NTSC
Number of Tuners (Analog)	M
Number of Tuners (Terrestrial/Cable)	1(Digital/Analog)
TV System (Digital Cable)	Clear QAM
TV System (Digital Terrestrial)	ATSC

Video

Video Signal	3840x2160/24p 3840x2160/25p 3840x2160/30p 4096x2160/24p 1080/24p (HDMI only) 1080/60i 1080/60p(HDMI / Component) 480/60i 480/60p 720/60p 1080/30p (HDMI only) 720/30p (HDMI only) 720/24p (HDMI only)

Video Features

24p True Cinema™ Technology	Yes
3D Comb Filter	Yes
4:3 Default	Yes
Advanced Contrast Enhancer (ACE)	Yes
Auto Wide	Yes
Blinking Type	Frame Blinking
Clear Mode	Yes
Deep Color	Yes
Face Area Detection	Yes (2K only)
Impulse Mode	Yes
Intelligent MPEG Noise Reduction	Yes
Intelligent Picture Optimizer	Yes
Motionflow™ Technology	Motionflow XR 960
MPEG Noise Reduction	Yes
PhotoTV HD	Yes

Picture Mode	Vivid Standard Custom Photo-Vivid Photo-Standard Photo-Original Photo-Custom Cinema1 Cinema2 Game-Standard Game-Original Graphics Sports Animation
Portable Game Mode	Fine Full Fine Normal PortableGame1 PortableGame2
Scene Optimized Energy Saving	Yes
SimulView™	Yes
Super-resolution for Game Mode	Yes
Video Area Detection	Yes (2K only)
Video Processing	4K X-Reality PRO

Weights and Measurements

Dimensions (Approx.)	TV only: 58 1/4 x 34 x 2 5/8(1 3/16) inch 1478 x 863 x 64.29 mm) TV with stand: 58 1/4 x 35 1/4 x 16 in (1478 x 894 x 405 mm)
Packaging (Approx.)	Carton weight: 108.0 lbs (49.0 kg) Carton dimensions: 69 3/4 x 37 1/2 x 9 1/8 in (1770 x 951 x 229 mm)
Weight (Approx.)	TV only: 82.6 lbs (37.5 kg) TV with stand: 85.7 lbs (38.9 kg)

Accessories

Supplied Accessories	3D Glasses x 4 (TDG-BT500A) AC Power Cord (US 2Pin Pig Tail) Table Top Stand (assembly required) Operating Instructions (US) Warranty (18 months) One-Touch Remote Control (RM-YD001) Remote Control (RM-YD087) Screws Batteries (R03)

Optional Accessories

Optional Accessories	CMU-BR200/CMU-BR100 VC Camera and Mic TDG-BT500A

SONY

1. Actual panel resolution of XBR-X850A 4K Ultra HD TV is 3,840 x 2,160 pixels (in 16:9 aspect ratio). HDTVs have a panel resolution of 1,920 x 1080 pixels.

2. Simulated 4K image will vary based on source content.

3. Requires compatible Near Field Communication (NFC)-enabled Xperia™ smartphone. Certain formats are not supported. The video quality may be degraded due to environmental interference.

4. Broadband speed of at least 2.5 Mbps recommended (10 Mbps for HD). Content subject to change and may require fees. Wireless connectivity requires 802.11 home network (802.11n recommended). Skype requires CMU-BR100 or CMU-BR200 camera sold sep. Subject to Skype's terms and conditions.

5. Requires 3D content, 3D player and HDMI® cable (at least 10.2 Gbps) sold sep.

6. PS3 system sold sep.

7. Requires devices connected to the same wireless home network.

8. Ethernet connection required. Fees may apply for 4K networked video service.

9. Requires PS3 system, PlayMemories Studio™ software and HDMI® cable (at least 10.2 Gbps) sold sep.

10. Requires Mobile High Definition Link-compatible smartphone to be connected to the TV with a Mobile High Definition Link cable, sold separately.

11. Requires smartphone with Wi-Fi® certified Miracast™ technology. Certain formats are not supported. The video quality may be degraded due to environmental interference

12. An Internet firmware update to support HDMI® 2.0 to accommodate 4K/60p (59.94/60Hz) video content will be available end of 2013. Requires that the TV is connected to the internet to receive the update

© 2013 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited.

Sony, BRAVIA, X-Reality, Motionflow, TRILUMINOS, Sony Tablet and the Sony make.believe logo are trademarks of Sony. PlayStation is a trademark of Sony Computer Entertainment Inc. Blu-ray Disc is a trademark. Android is a trademark of Google Inc. iPhone is a trademark of Apple Inc., registered in the U.S. and other countries. All other trademarks are trademarks of their respective owners. Features and specifications are subject to change without notice. /Updated: February 18, 2014